

Application to the Chesapeake Bay Board

Water Quality Impact Assessment

Pursuant to §23.2-13 and 23.2-16, York County Chesapeake Bay Preservation Areas Ordinance

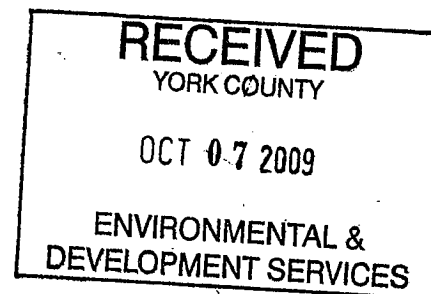
Date: 6 Oct 2009

CB: 200 9 - 262

1. Applicant: Davis & Associates, P.C.  
Address: #3630 George Washington Memorial Highway, Suite G, Grafton, VA 23693  
Phone Number: (757) 867-8583
2. Property Owner (if different from applicant): Bo Trieu & Julie Vuong  
Address: #6 Sundance Place, Newport News, VA, 23608  
Phone Number: (757) 869-3183
3. Property Address: #112 Skimino Landing Road
4. Parcel Identification (GPIN): E20B-2776-4070

ATTACH the following information:

- Current survey with dimensions of lot and location and dimensions of any existing buildings, driveways, decks, sidewalks, etc.
- Location of on-site sewage disposal system (if applicable)
- Location of shoreline, wetlands, stream and Resource Protection Area boundary
- Location and dimensions of proposed additions or alterations
- Area of land disturbance, clearing, grading and fill
- Erosion and Sediment Control measures
- Location and dimensions of BMP and supporting calculations
- Location of permanent signs and temporary construction fencing
- Location, type and size of existing trees and vegetation in RPA
- Designation of trees to remain and trees to be removed in RPA
- Buffer restoration and replacement planting location and detail
- Executed BMP Maintenance Agreement
- Any additional supporting information



5. Appeal to Staff Decision?      Order?      Requirement?      Exception Request ✓
6. For appeals, provide section reference & description: (attach additional paper if necessary) To allow the construction of a single family detached residence, drives, pads, HVAC unit, well, & septic system
7. Exception Request? ✓ Yes      No, provide section reference
8. Was this lot/parcel created prior to October 1, 1989?      Yes ✓ No
9. Is this lot/parcel impacted by a perennial stream determination? ✓ Yes      No

10. In what flood zone is this lot located? X  
**If this property or any portion of the property is Flood Zones A, AE, V or VE, please consult the Building Regulations Division (890-3522) for Construction Requirements in a Flood Zone.**
11. Does County sanitary sewer serve this lot or is an on-site wastewater disposal system necessary? On-site wastewater disposal system required-see attached design  
**If this property will be served by an on-site wastewater disposal system, please consult the Health Department.**
12. Description of the Proposed Project: To allow the construction of a single family detached residence, drives, pads, HVAC unit, well, & septic system
13. Area of lot above water/wetlands in square feet (sq. ft.): 73,145 sq. ft.
14. Area of impervious surfaces: sidewalk, driveway, building footprint, deck, pool, patio, etc.:  
In RPA (sq. ft.): 3,873  
In RMA (sq. ft.): 0  
Total Area (sq. ft.): 3,873
15. Percentage of impervious cover: divide #14 (Total Area) by #13, multiply by 100: 5.3%

**Please check all that apply or supply quantities for the following:**

16. Project Location:  
☒ a. Resource Management Area (RMA)  
☒ b. Resource Protection Area (RPA)  
    ☒ Landward 50-feet of Buffer Area  
    ☒ Seaward 50-feet of Buffer Area
17. Will the project require any of the following?  
☒ a. Excavation                      ☒ b. Filling                      ☒ c. Grading
18. Materials to be used to cover land surface:  
☒ a. Decking      ☒ b. Roof      ☒ c. Concrete      ☐ d. Asphalt  
☐ e. Pavers      ☐ f. Gravel      ☐ g. Stone/Brick      ☐ h. Other
19. Existing Site Conditions:  
☒ a. Heavily Wooded                      ☒ h. Understory/brush  
☐ b. Sparsely Wooded                      ☒ i. Leaves/needles  
☐ c. No Trees                                  ☐ j. Bare Soil  
☒ d. Marsh/Swamp                              ☐ k. Eroding soils/shoreline  
☒ e. Stream                                      ☐ l. Waterfront Property  
☐ f. Ravine or Ditch                              ☐ m. Paved  
☒ g. Grass/Lawn -Area adjacent to public right-of-way                      ☐ n. Other: \_\_\_\_\_

20. Impacts on Existing Vegetation:
- 14 a. Number of trees greater than 3" diameter removed within 50-feet of waters/wetlands -Estimated
  - 10 b. Number of trees greater than 6" diameter removed between 50-feet and 100-feet of water/wetlands -Estimated
  - c. Approximate square footage of understory/brush/leaves/needles removed
  - d. Number of trees to be heavily pruned
  - 10 e. Number of dead or diseased trees removed -Estimated
  - f. Other: \_\_\_\_\_
21. Proposed Methods to Minimize Site Impacts:
- ☒ a. Tree protection/barriers
  - b. Limit construction activity to flat areas of site
  - ☒ c. Single construction/access way
  - ☒ d. Stockpile construction materials and debris on hard surfaces
  - ☒ e. Barriers to define limits of construction activity/land disturbance
  - ☒ f. New structure situated on lot so as to minimize the encroachment into the RPA
  - g. Any other methods? Please describe: \_\_\_\_\_
22. Proposed Mitigation Measures:
- ☒ a. Best Management Practices (BMP) utilized:
    - Infiltration planting bed (mulch bed BMP)
      - Square footage of mulch beds
      - Number of new trees proposed, (sq. ft. mulch / 100) x 1
      - Number of new shrubs proposed, (sq. ft. mulch / 100) x 3
    - Dry well Infiltration Trench / French Drain (Attach Detail)
    - Grass swale with check dams
    - ☒ Other
  - ☒ b. Buffer Restoration and Replacement Vegetation:
    - Trees
    - Shrubs
  - ☒ c. Erosion and sediment control structures utilized.
    - ☒ Silt fence
    - ☒ Construction entrance
    - ☒ Sand and gravel under deck treatment
    - Other: \_\_\_\_\_
- Note: Land disturbing activities to be limited to those areas necessary for the required site development. No area(s) are existing to allow a BMP or Buffer Restoration.
23. Please describe the steps to be taken for project construction including any protection and mitigation measures proposed along with the Construction Sequence of the project: (Example: obtain permits, install silt fence and tree protection, build house, plant new trees, etc.)
- Obtain permits, install silt fence, clear limits of land disturbance approved by York County,
- build house, install well, install septic system, final grade, complete building and driveway
- construction, obtain C.O. from York County.

24. Are you seeking or have you already obtained permits from other local, state or federal agencies in conjunction with this project? ☐ Yes ☒ No If yes, please describe:

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25. Can you avoid locating the project in the Resource Protection Area (Within 100-feet of the water/wetlands)? ☐ Yes ☒ No

26. Is there suitable area on the site to do so? ☐ Yes ☒ No

27. Describe why this project or appeal deserves special consideration:

The lot was recorded on May 22, 200. The recorded subdivision plat does not depict  
Chesapeake Bay Preservation areas. A site specific survey was conducted in June 2009 and  
revealed RPA & RMA features. The remaining lot area located at the southeasterly corner of  
the lot and fronting on Skimino Landing Drive has slopes in excess of 30 percent and does  
not permit residential construction and septic drainfields.